

Claims

- 5 1. A vinyl halide film comprising (A) at least one vinyl halide polymer, (B) at least one non-halogenated polymeric plasticizer and (C) at least one second plasticizer, wherein a major amount of the polymers of the film comprise the vinyl halide polymer (A) and wherein the film has an elongation of at least about 50%.
- 10 2. The film of claim 1 wherein (A) is a homopolymer or copolymer of at least one vinyl chloride.
- 15 3. The film of claim 1 wherein (A) is at least one polyvinyl chloride.
- 20 4. The film of claim 1 wherein the non-halogenated polymeric plasticizer (B) is a natural or synthetic rubber.
- 25 5. The film of claim 1 wherein (B) is a polybutadiene rubber, a polyisoprene rubber, a styrene-butadiene rubber, a styrene-isoprene rubber, a nitrile rubber, a butyl rubber, an ethylene-propylene terpolymer, a silicone rubber, a polyacrylate rubber, an epichlorohydrin rubber, a fluoroelastomer, or a polyurethane.
- 30 6. The film of claim 1 wherein (B) is a nitrile rubber.
- 35 7. The film of claim 1 wherein (B) is present in an amount of less than 40

parts per hundred parts of (A).

8. The film of claim 1 further comprising at least one pigment.
- 5 9. The film of claim 1 wherein (C) is present in an amount from about 20 to about 85 parts per hundred parts of (A).
- 10 10. A vinyl halide film comprising (A) at least one polyvinyl chloride, (B) at least one non-halogenated rubber polymeric plasticizer and (C) at least one second plasticizer, wherein the film has an elongation of at least about 50%.
- 15 11. The film of claim 10 wherein (B) is a nitrile rubber.
12. The film of claim 10 wherein (B) is present in an amount of less than 25 parts per hundred parts of (A).
13. The film of claim 10 further comprising at least one pigment.
- 20 14. The film of claim 10 wherein (C) is present in an amount from about 30 to about 75 parts per hundred parts of (A).
15. An adhesive article comprising a pressure sensitive adhesive layer having a first and second surface, and a vinyl halide film adhered to the first surface of the adhesive layer, wherein the vinyl halide film comprises (A) at least one vinyl halide polymer, (B) at least one non-halogenated polymeric plasticizer and (C) at least one second plasticizer, wherein the

adhesive article has an elongation of at least about 50%.

16. The adhesive article of claim 15 wherein the vinyl halide polymer (A) is a homopolymer or copolymer of at least one vinyl chloride.
17. The adhesive article of claim 15 wherein (A) is at least one polyvinyl chloride.
18. The adhesive article of claim 15 wherein the non-halogenated polymeric plasticizer (B) is a natural or synthetic rubber.
19. The adhesive article of claim 15 wherein (B) is a polybutadiene rubber, a polyisoprene rubber, a styrene-butadiene rubber, a styrene-isoprene rubber, a nitrile rubber, a butyl rubber, an ethylene-propylene terpolymer, a silicone rubber, a polyacrylate rubber, an epichlorohydrin rubber, a fluoroelastomer, or a polyurethane.
20. The adhesive article of claim 15 wherein (B) is at least one nitrile rubber.
21. The adhesive article of claim 15 further comprising at least one pigment.
22. A plastisol, useful for preparing vinyl halide films, comprising (A) at least one vinyl halide polymer, (B) at least one non-halogenated polymeric plasticizer, (C) at least one second plasticizer, and (D) at least one solvent.
23. The plastisol of claim 18 wherein (A) is polyvinyl chloride and (B) is a non-

halogenated rubber polymeric plasticizer.

24. The plastisol of claim 18 further comprising (E) at least one pigment.